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WO 2005/085162 A1

(54) Title: PROCESS FOR PRODUCING CARBONYLATION PRODUCTS

(57) Abstract: A carbonylation process for producing a carbonylation product by contacting carbon monoxide with a feed comprising an alcohol and/or a reactive derivative thereof in the vapour phase using an heterogeneous heteropolyacid catalyst comprising one or more metal cations selected from Cu, Fe, Ru, Os, Co, Rh, Ir, Ni, Pd and Pt and wherein there is at least 0.5wt% water present in the feed.